

III. CLAIM AMENDMENTS

1. (Previously Amended) A telephone handset having a front surface with a display and a keypad, wherein said keypad includes a group of keys for data entry and a key for navigating a cursor in the display and selecting an item in dependence of the position of the cursor,

said navigation and selection key positioned in the front surface of the phone between the display and the group of data entry keys,

said navigation and selection key includes a roller body which is essentially cylindrical with a length and diameter of substantially the same size as the width of the keys in said group of keys for entering alphanumeric signs, and extends partly through an opening in the front surface of the phone, and has an axis of rotation perpendicular to the longitudinal axis of the phone,

said roller body is fully rotatable and is allowed to adopt a predetermined number of valid positions during a rotation for moving the cursor, and can be depressed to request performance of an action in dependence of the position of the cursor.

2. (Previously Cancelled)

3. (Previously Amended) A telephone handset according to claim 1, wherein the keys in said group of keys are arranged in three columns each having four keys, and said navigation key is placed as an extension of the central column.

4. (Previously Amended) A telephone handset according to claim 1, and furthermore comprising:

- a first detection means for detecting the rotation of the roller and for providing a first control signal for the controller,

- a second detection means for detecting the depression of the roller and for providing a second control signal for the controller, and

- said controller moving the cursor between items displayed in the display in dependence on the first control signal and selecting an item pointed out by the cursor in dependence on the second control signal.

5. (Previously Amended) A telephone handset according to claim 1, wherein the length of said navigation key is of the order of 6-14 mm, and the maximum diameter of the roller body is of the order of 6-12 mm.

6. (Previously Amended) A telephone handset according to claim 1, wherein the structure of the navigation key for providing control signals in dependence on the operation thereof, comprises:

- a roller body acting as a navigation key;
- a carrier for carrying said roller body;
- a supporting means supporting said carrier;
- said carrier being hinged relative to the supporting means by cooperating hinging parts;
- biasing means for urging the carrier and the supporting means away from each other at a distance from said hinging parts; and
- detection means for detecting a force counteracting the biasing force provided by said biasing means and for providing a second control signal in dependence thereon.

7. (Original) A telephone handset according to claims 6, wherein the carrier furthermore carries an encoder means aligned with the roller body for detecting the rotation of said body and for providing a first control signal in dependence thereon.

8-11. (Cancelled)

12. (Currently Amended) ~~A navigation key structure according to claim 11,~~ A navigation key for providing control signals in dependence on the operation thereof, comprising:

a roller body acting as a navigation key;

a carrier for carrying said roller body, wherein the carrier comprises a shaft part retained between two plate-shaped end parts, said roller body is arranged rotatably on said shaft part, and said end parts are furthermore adjoined by at least one beam-shaped leg part extending along the shaft part for providing a stiff structure for the carrier;

a supporting means supporting said carrier;

said carrier being hinged relative to the supporting means by cooperating hinging parts;

biasing means for urging the carrier and the supporting means away from each other at a distance from said hinging parts;
and

detection means for detecting a force counteracting the biasing force provided by said biasing means and for providing a second control signal in dependence thereon.

13. (Cancelled)

14. (Currently Amended) A navigation key structure according to claim ~~13~~12, wherein the carrier comprises two leg parts in parallel with the shaft part, and the hinge part of the carrier extends outwardly from one of said leg parts.

15. (Original) A navigation key structure according to claims 12, wherein the roller body is shaped as a barrel having a through bore for pivotal reception of said shaft part.

16. (Original) A navigation key structure according to claim 14, wherein the roller body is provided with a cam-shaped disc member for cooperation with a spring member fixed to said shaft part, thereby defining a number of discrete positions allowable during the revolution of the roller body.

17. (Original) A navigation key structure according to claim 16, wherein the diameter of the through bore of the roller member expands at one end of the member for providing an internal chamber in the roller body containing said cam-shaped disc member and said spring member.

18. (Original) A navigation key structure according to claim 17, wherein said cam-shaped disc member is received in the through bore of the roller member and acts as end wall for said chamber, said disc member being provided with a central opening for the shaft part.

19. (Currently Amended) A navigation key structure according to claim ~~11~~12, wherein the carrier furthermore carries an encoder means aligned with the roller body for detecting the rotation of said body and for providing a control signal in dependence thereon.

20. (Original) A navigation key structure according to claim 18, wherein the outer surface of the disc-shaped member is provided with a pattern readable by the encoder means.

21. (Original) A navigation key structure according to claim 20, wherein the outer surface of the disc-shaped member is provided with a pattern which is readable by the encoder means.

22-27. (Previously Cancelled)

28. (Previously Added) The telephone handset of claim 1 wherein a position of the navigation and selection key is determined to enable one handed operation of the phone.

29. (Previously Added) The telephone handset of claim 1 wherein a position of the navigation and selection key is determined to allow the user to hold the phone in one hand and manipulate the navigation and selection key with the thumb of that hand.

30. (Previously Added) The telephone handset of claim 1 wherein the navigation and selection key performs a swing movement around a hinge axis when depressed to activate a microswitch.

31. (Previously Added) The telephone handset according to claim 1 wherein the roller body is adapted to have twelve positions per revolution, each position being mechanically defined.

32-34. (Cancelled)